

Converting Colors

$Y_{xy}(45.4442, 0.4274, 0.4161)$

Have a look what the booklet for
Yxy(45.4442, 0.4274, 0.4161)
contains.

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Color

Yxy(45.4816, 0.4275, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	DEAB5F
RGB	222, 171, 95
RGB Percent	87%, 67%, 37%
CMY	0.1293, 0.3295, 0.6274
CMYK	0.00, 0.23, 0.57, 0.13
HSL	36°, 66%, 62%
HSV	36°, 57%, 87%
XYZ	46.7614, 45.4816, 17.1404
YIQ	177.5850, 54.7920, -12.8240

Conversions

Conversions Part 2

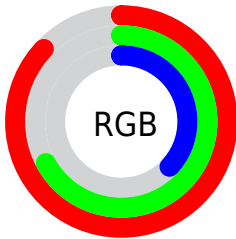
Format	Color
RYB	180, 222, 95
Decimal	14592863
CIELab	73.21, 10.20, 45.82
CIELCh	73, 46.939, 77.448
Yxy	45.4816, 0.4275, 0.4158
Android (android.graphics.Color)	4292782943 (0xFFDEAB5F)
YUV	177.5850, -40.7144, 38.9520
Hunter-Lab	67.4400, 5.7477, 32.1391

Details

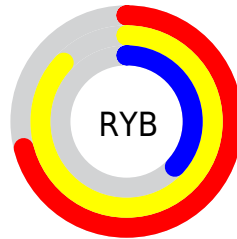
The Yxy color **45.4816, 0.4275, 0.4158** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **28.2819, 0.2176, 0.2183**, and the grayscale version is **44.4898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7593, 0.3875, 0.4088**, and **21.2756, 0.4561, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **41.8784, 0.4509, 0.4266**, and if you desaturate by 10%, it is **49.4318, 0.4041, 0.4022**.

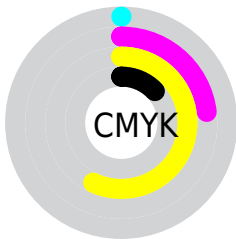
Distribution



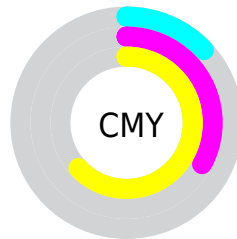
- Red (87%)
- Green (67%)
- Blue (37%)



- Red (71%)
- Yellow (87%)
- Blue (37%)



- Cyan (0%)
- Magenta (23%)
- Yellow (57%)
- Black (13%)





- Cyan (13%)
- Magenta (33%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4816, 0.4275, 0.4158 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.4816, 0.4275, 0.4158 by changing the saturation by 10% instead.


 45.4816, 0.4275,
0.4158

 45.4816, 0.4275,
0.4158


368.7206, 0.3715,
0.3757


 31.8369, 0.4404,
0.4241


 83.4426, 0.4078,
0.4024


 21.2370, 0.4559,
0.4337


 108.5278, 0.4002,
0.3970

 13.2973, 0.4748,
0.4442


 138.1952, 0.3937,
0.3923

 7.6336, 0.4976,
0.4547

 172.8294, 0.3880,
0.3881

 3.8614, 0.5312,
0.4688

212.8146, 0.3831,
0.3845

 1.5963, 0.5456,
0.4544

258.5352, 0.3788,

 0.3551, 0.6229,

0.3812

0.3771

310.3758, 0.3749,
0.3783

0.0000, 0.0000,
0.0000

45.4816, 0.4275,
0.4158

45.4816, 0.4275,
0.4158

41.8784, 0.4509,
0.4266

49.4318, 0.4041,
0.4022

38.6011, 0.4732,
0.4334

53.7357, 0.3815,
0.3869

35.6354, 0.4930,
0.4353

58.4075, 0.3605,
0.3710

32.9611, 0.5093,
0.4318

63.4589, 0.3413,
0.3550

32.2600, 0.5136,
0.4304

68.9006, 0.3240,
0.3396

■ 74.7428, 0.3086,
0.3250

■ 80.9953, 0.2950,
0.3114

■ 86.4794, 0.2926,
0.3161

■ 91.9318, 0.2928,
0.3252

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.4816, 0.4445, 0.3686



45.4816, 0.4275, 0.4158



45.4816, 0.3798, 0.4469

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.4816, 0.4275, 0.4158



45.4816, 0.2134, 0.3256



45.4816, 0.2971, 0.2414

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.4816, 0.4275, 0.4158



28.2819, 0.2176, 0.2183

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.4816, 0.2405, 0.2272



45.4816, 0.4275, 0.4158



45.4816, 0.1965, 0.2678

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.4816, 0.4275, 0.4158



45.4816, 0.2562, 0.3943



45.4816, 0.2060, 0.2349



45.4816, 0.3648, 0.2738

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.4816, 0.4275, 0.4158



45.4816, 0.3385, 0.4489



45.4816, 0.2060, 0.2349



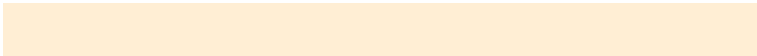
45.4816, 0.2762, 0.2344

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



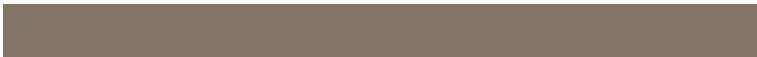
45.4838, 0.4275, 0.4158



86.9008, 0.3411, 0.3549



25.8562, 0.4108, 0.2684



18.2915, 0.3449, 0.3581



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.4838, 0.4275, 0.4158



56.2296, 0.4562, 0.4286



67.0048, 0.3858, 0.4684



15.0572, 0.3277, 0.3430



19.3777, 0.5118, 0.4318



1.5172, 0.4938, 0.4461

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.2819, 0.2176, 0.2183



30.6185, 0.1989, 0.1895



16.4995, 0.2092, 0.1489



14.1428, 0.2981, 0.3146



7.6014, 0.1687, 0.1274



0.6989, 0.1773, 0.1581

Previews

White Background



This preview shows how the Yxy color 45.4816, 0.4275, 0.4158 looks on a white background.

Color Contrast Check

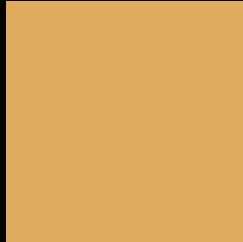
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.4816, 0.4275, 0.4158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4816, 0.4275, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 45.4816, 0.4275, 0.4158.



This preview shows how white text looks on a background with the Yxy color 45.4816, 0.4275, 0.4158.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.4816, 0.4275, 0.4158

Protanopia

45.5301, 0.3964, 0.4316

Deuteranopia

45.7034, 0.4258, 0.4173



Tritanopia

45.5547, 0.3660, 0.3153

Trichromacy



Original Color

45.4816, 0.4275, 0.4158

Protanomaly

45.5727, 0.4076, 0.4259

Deuteranomaly

45.7034, 0.4258, 0.4173

Tritanomaly

45.1234, 0.3903, 0.3527

Monochromacy



Original Color

45.4816, 0.4275, 0.4158

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.2674, 0.3533, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4816, 0.4275, 0.4158 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(222, 171, 95)` looks like.

```
.text, #text, p{  
    color:rgb(222, 171, 95)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(222, 171, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 171, 95) }
```

Border

The CSS property to change the border of an element to Yxy 45.4816, 0.4275, 0.4158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 171, 95) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(222, 171, 95) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(222, 171, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 171, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 171, 95);  
box-shadow:4px 4px 4px 4px rgb(222, 171,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4816, 0.4275, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 171, 95) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(222,  
171, 95) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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